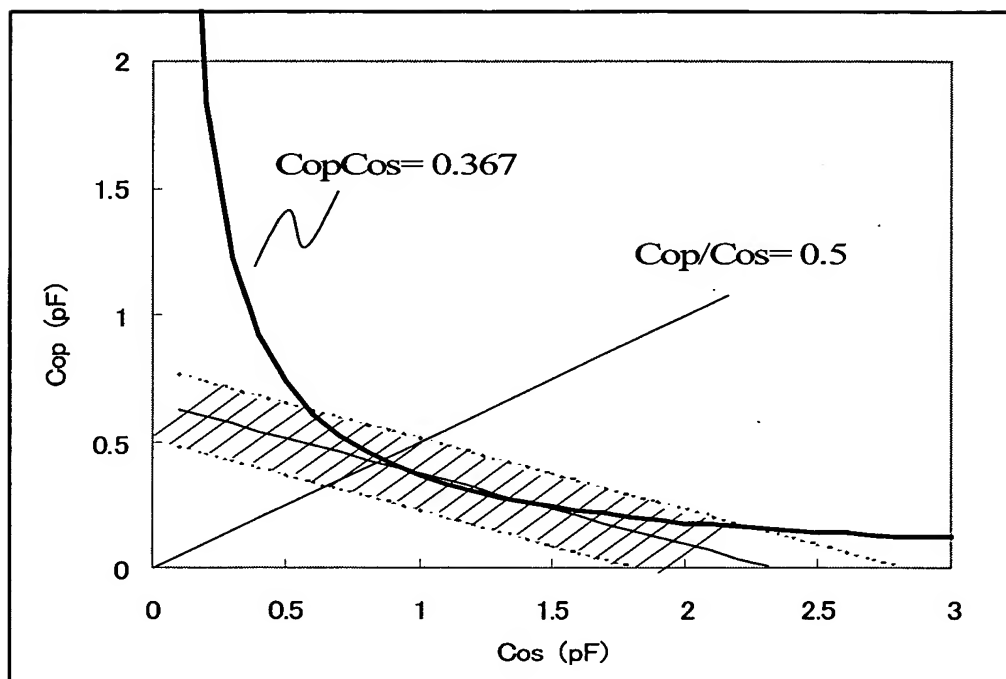




Title: Surface Acoustic Wave Filter and Filter Device  
Inventor: NAKATANI, et al.  
Appln. No.: 10/685,704  
Docket No.: 025720-00015

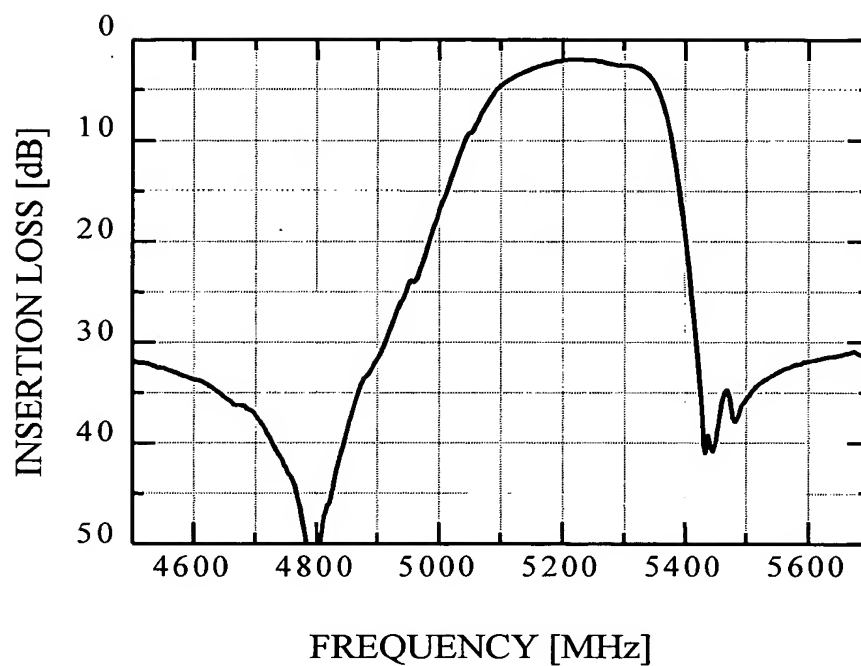
Fig. 1 PRIOR ART





Title: Surface Acoustic Wave Filter and Filter  
Device  
Inventor: NAKATANI, et al.  
Appln. No. : 10/685,704  
Docket No.: 025720-00015

Fig. 2 PRIOR ART





Title: Surface Acoustic Wave Filter and Filter Device  
Inventor: NAKATANI, et al.  
Appln. No.: 10/685,704  
Docket No.: 025720-00015

Fig. 3 PRIOR ART

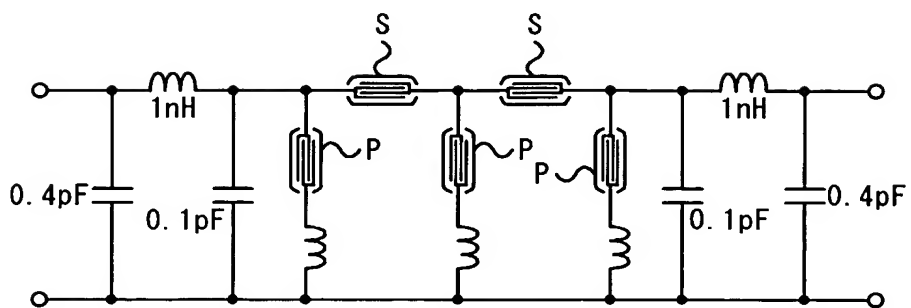


Fig. 4 PRIOR ART

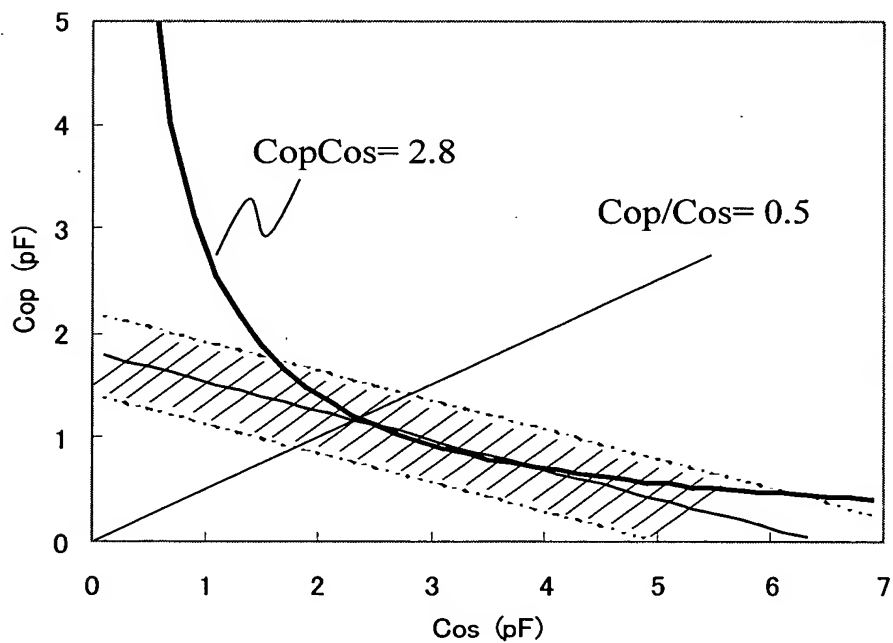
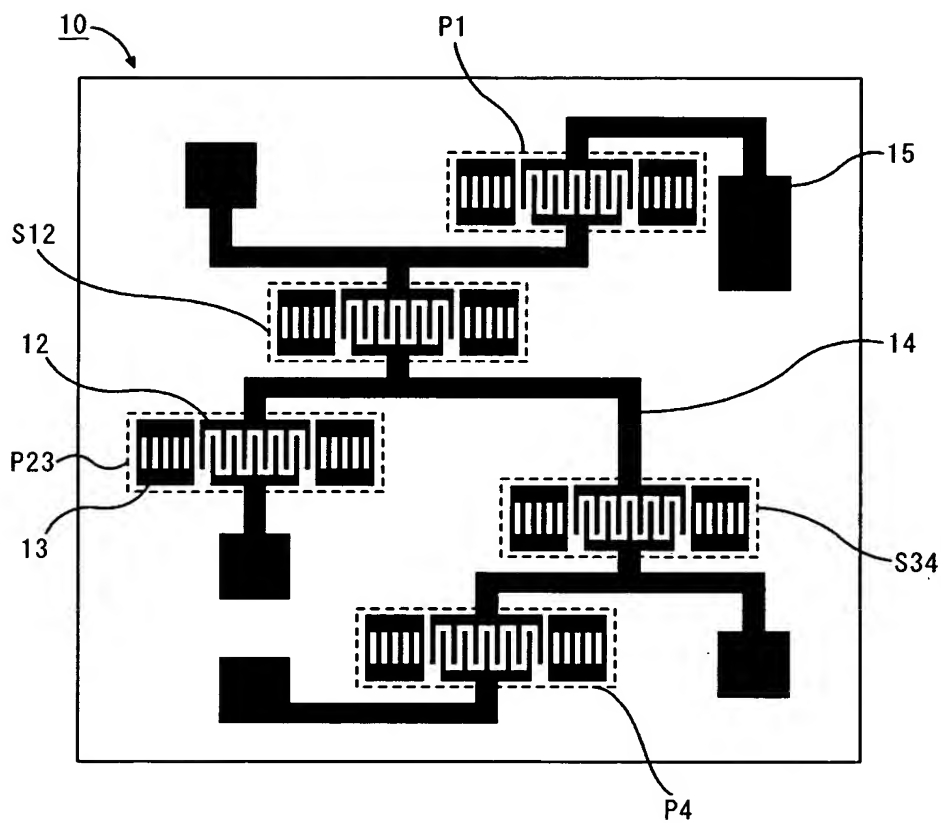




Fig. 5





Title: Surface Acoustic Wave Filter and Filter Device  
Inventor: NAKATANI, et al.  
Appln. No.: 10/685,704  
Docket No.: 025720-00015

Fig. 6

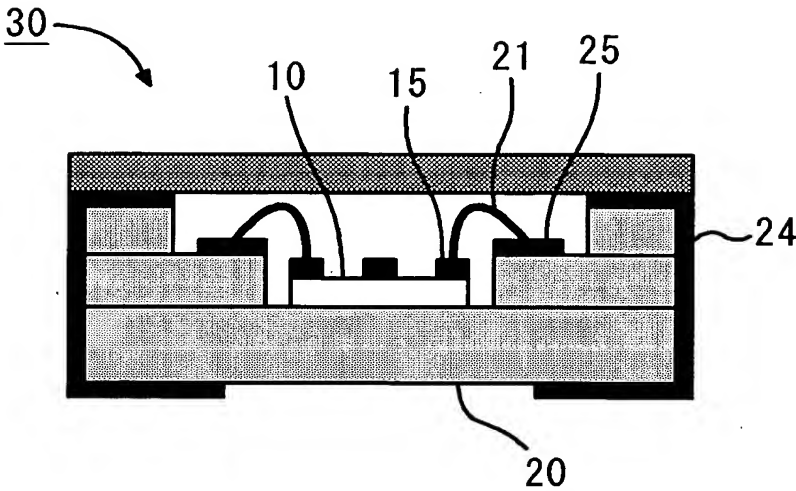


Fig. 7

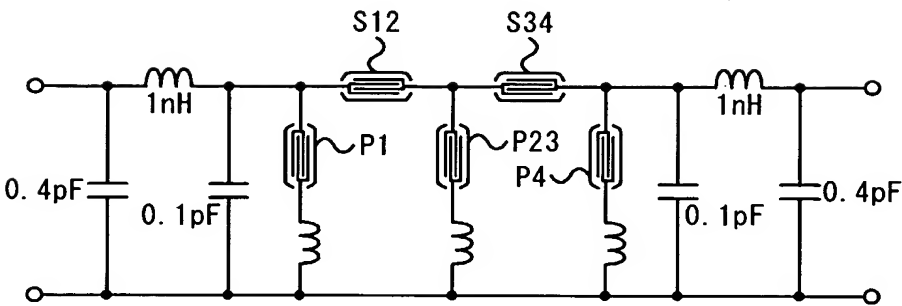
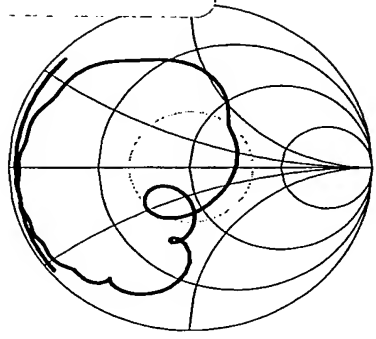
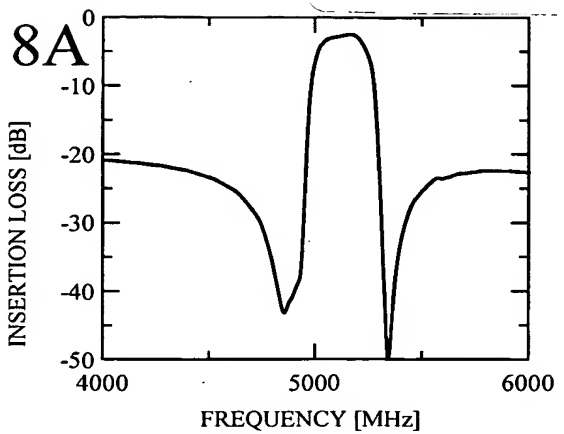


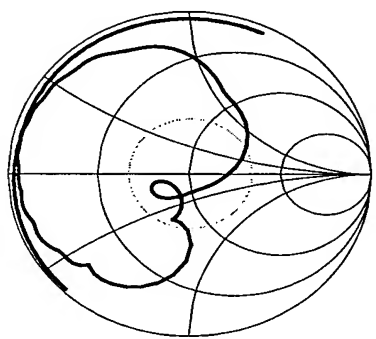
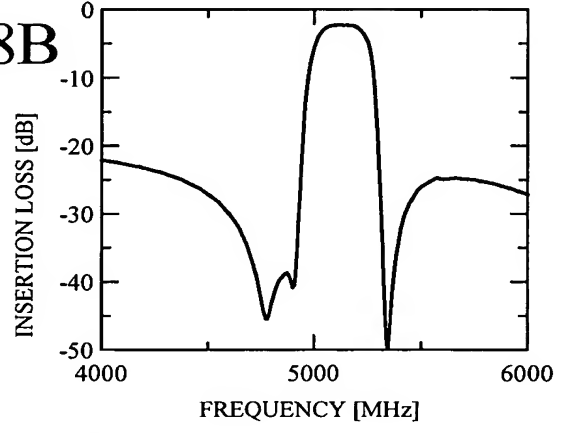


Fig. 8A



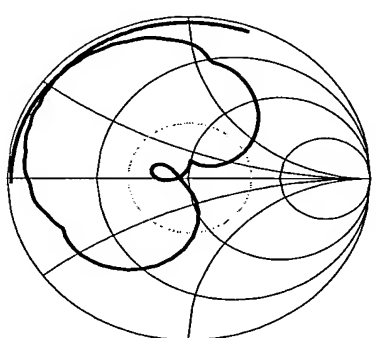
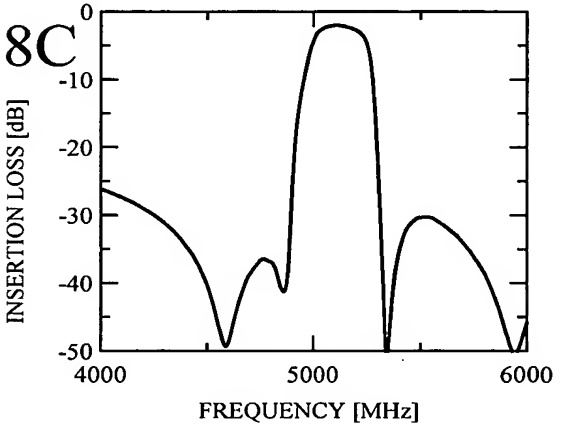
S11  $CopCos=0.6(CopCos)_0$

Fig. 8B



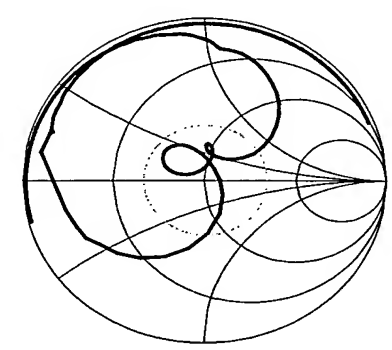
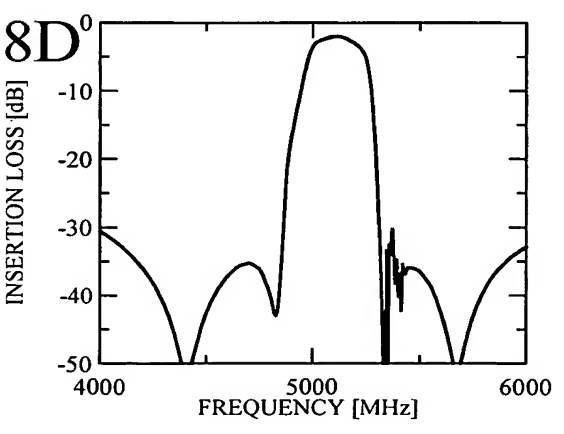
S11  $CopCos=(CopCos)_0$

Fig. 8C



S11  $CopCos=2(CopCos)_0$

Fig. 8D



S11  $CopCos=2.7(CopCos)_0$



Title: Surface Acoustic Wave Filter and Filter Device  
Inventor: NAKATANI, et al.  
Appln. No. : 10/685,704  
Docket No.: 025720-00015

Fig. 9

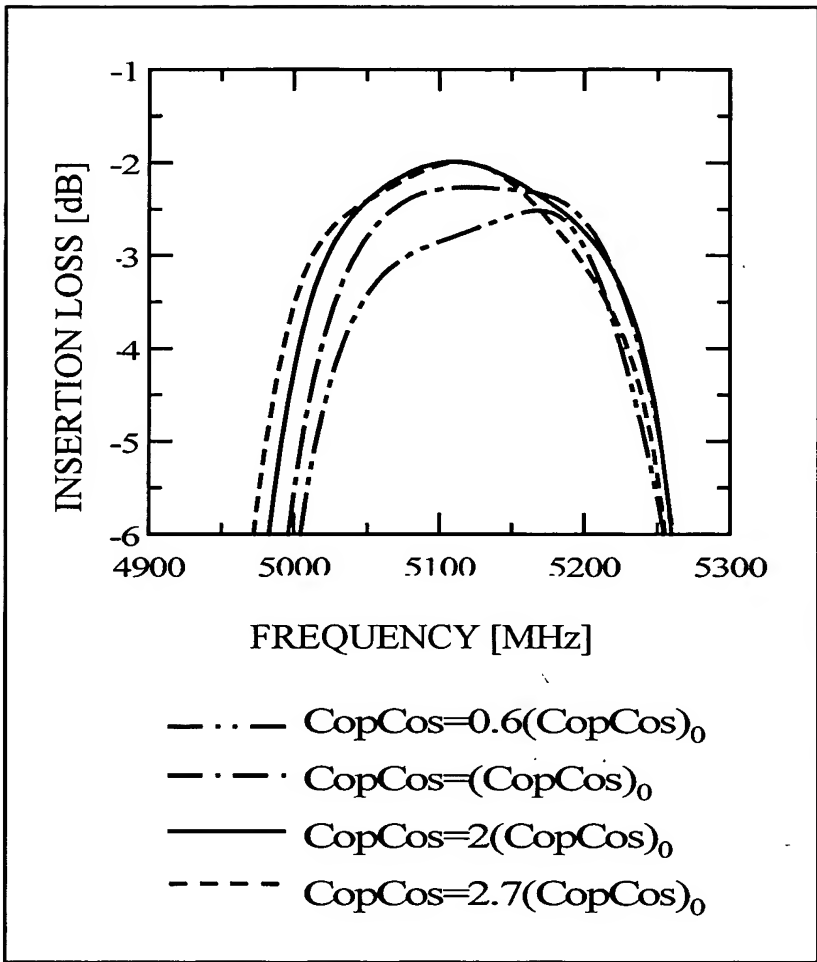




Fig. 10

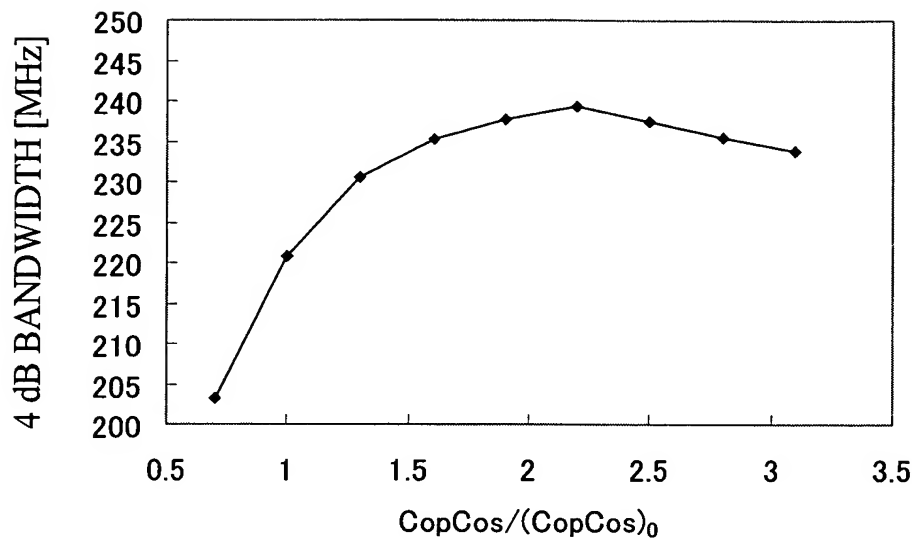
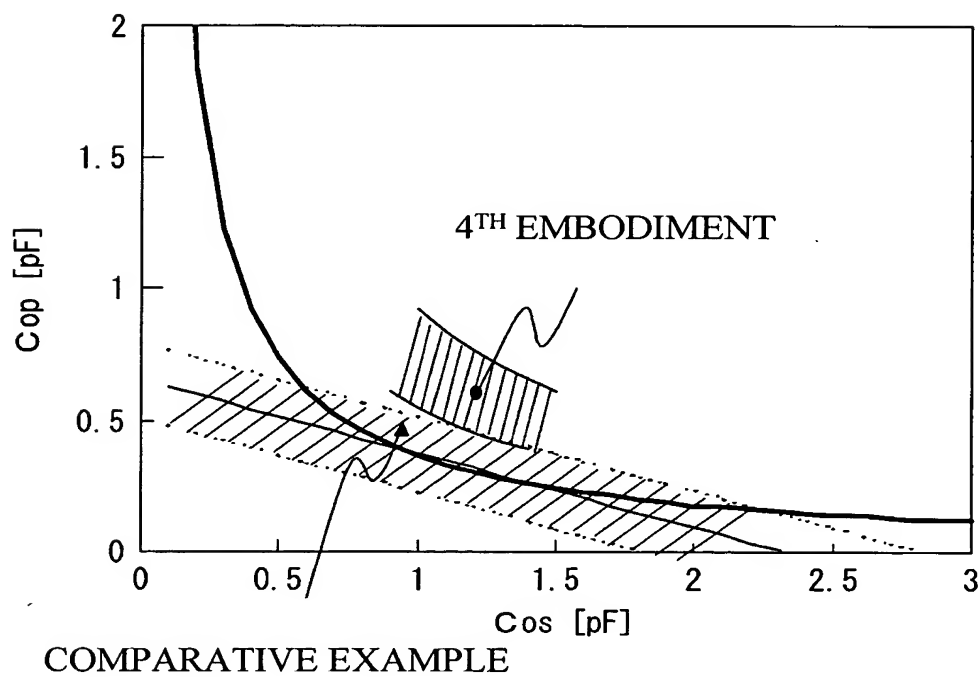
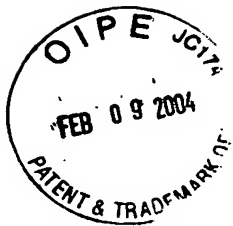


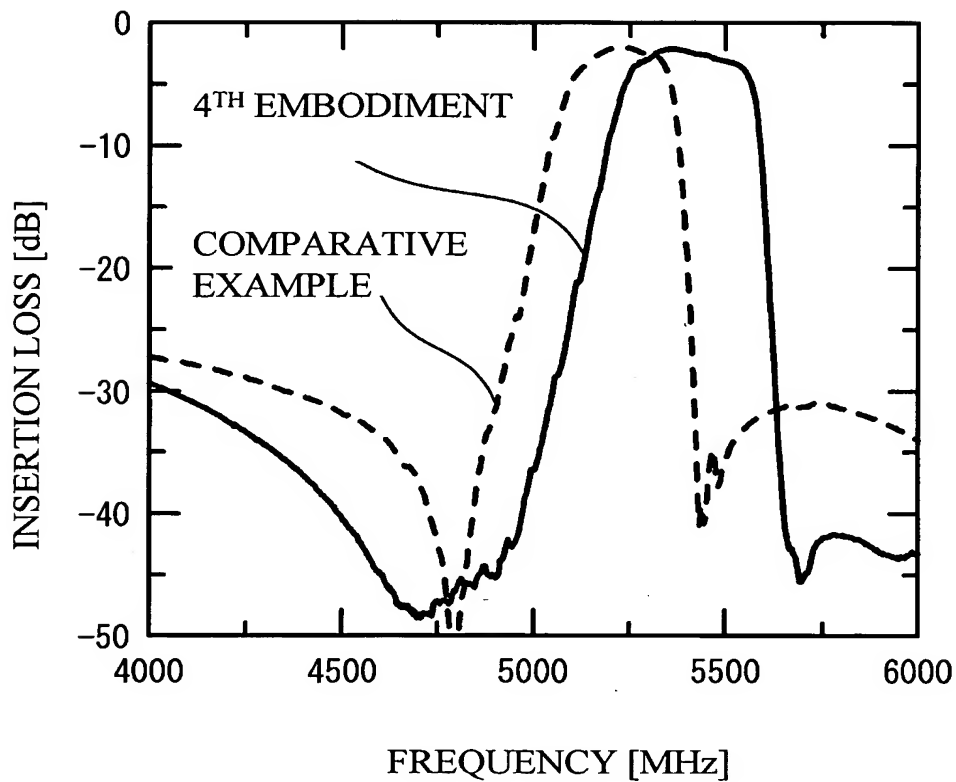
Fig. 11





Title: Surface Acoustic Wave Filter and Filter Device  
Inventor: NAKATANI, et al.  
Appl. No.: 10/685,704  
Docket No.: 025720-00015

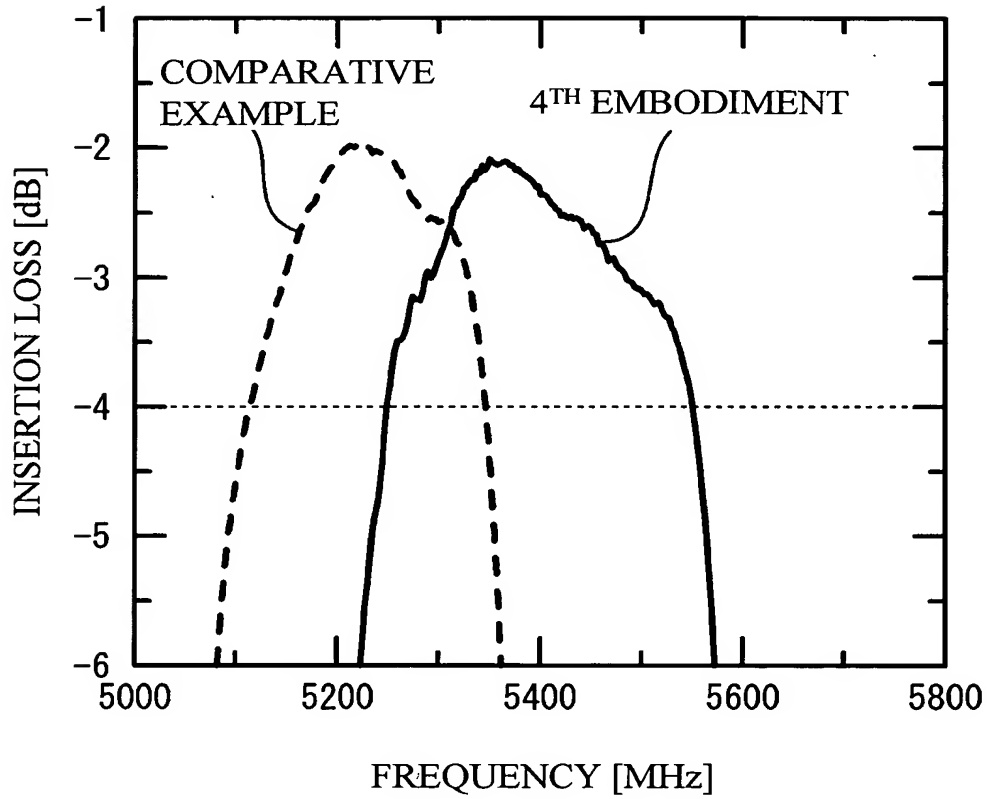
Fig. 12

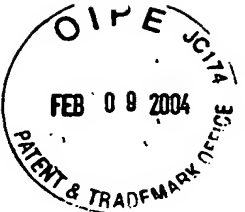




Title: Surface Acoustic Wave Filter and Filter Device  
Inventor: NAKATANI, et al.  
Appln. No.: 10/685,704  
Docket No.: 025720-00015

Fig. 13





Title: Surface Acoustic Wave Filter and Filter Device  
Inventor: NAKATANI, et al.  
Appl. No.: 10/685,704  
Docket No.: 025720-00015

Fig. 14

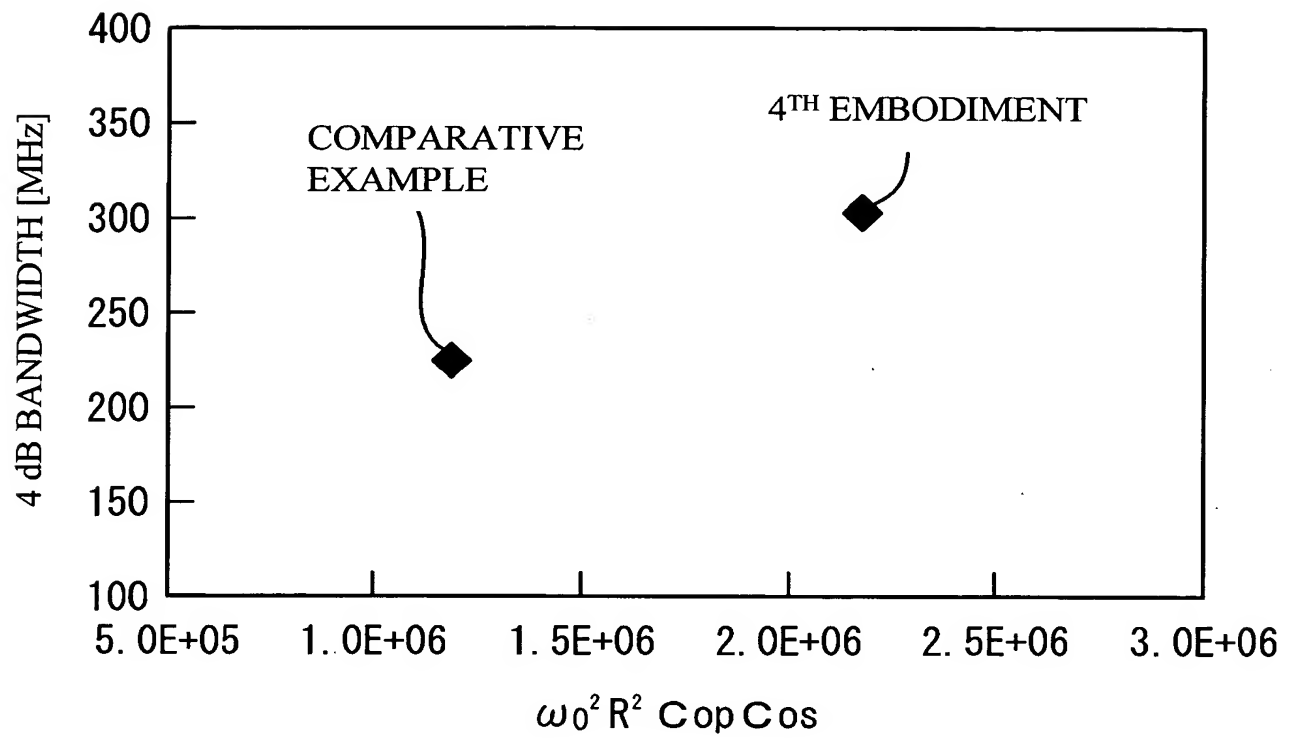
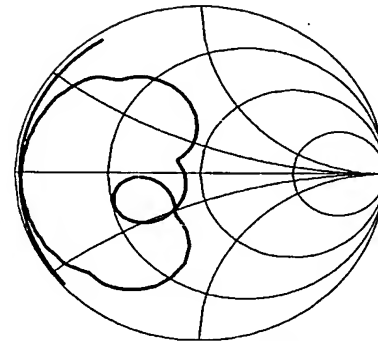
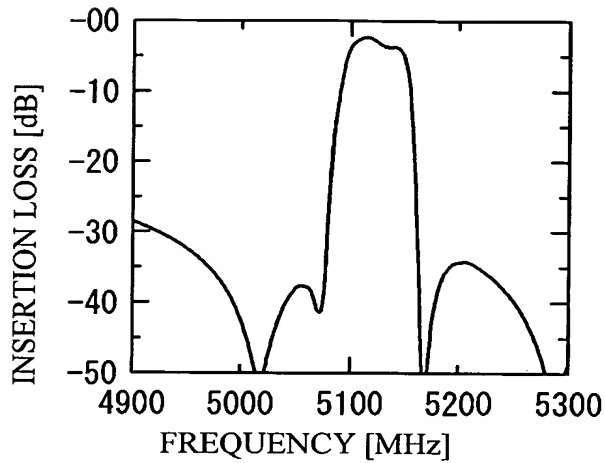
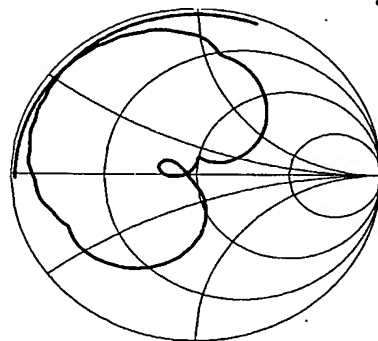
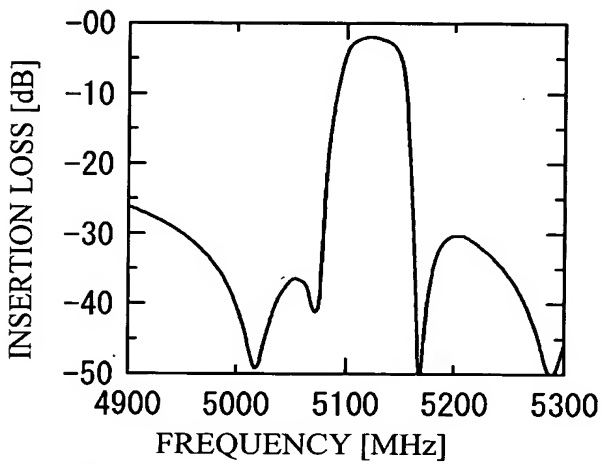


Fig. 15A



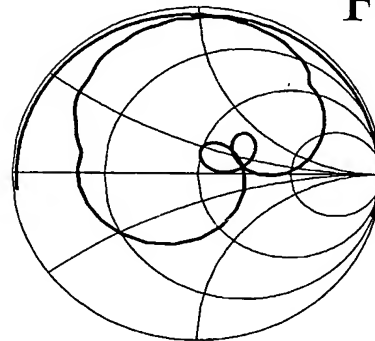
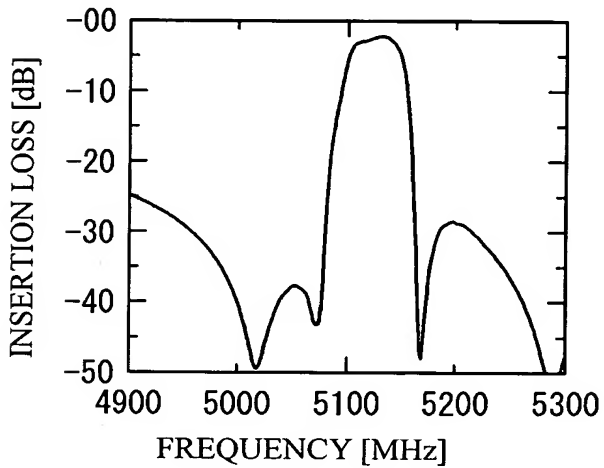
S11 INDUCTANCE Li 0.5nH

Fig. 15B

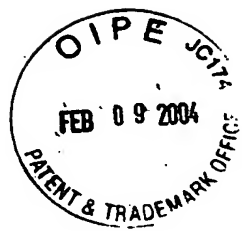


S11 INDUCTANCE Li 1H

Fig. 15C

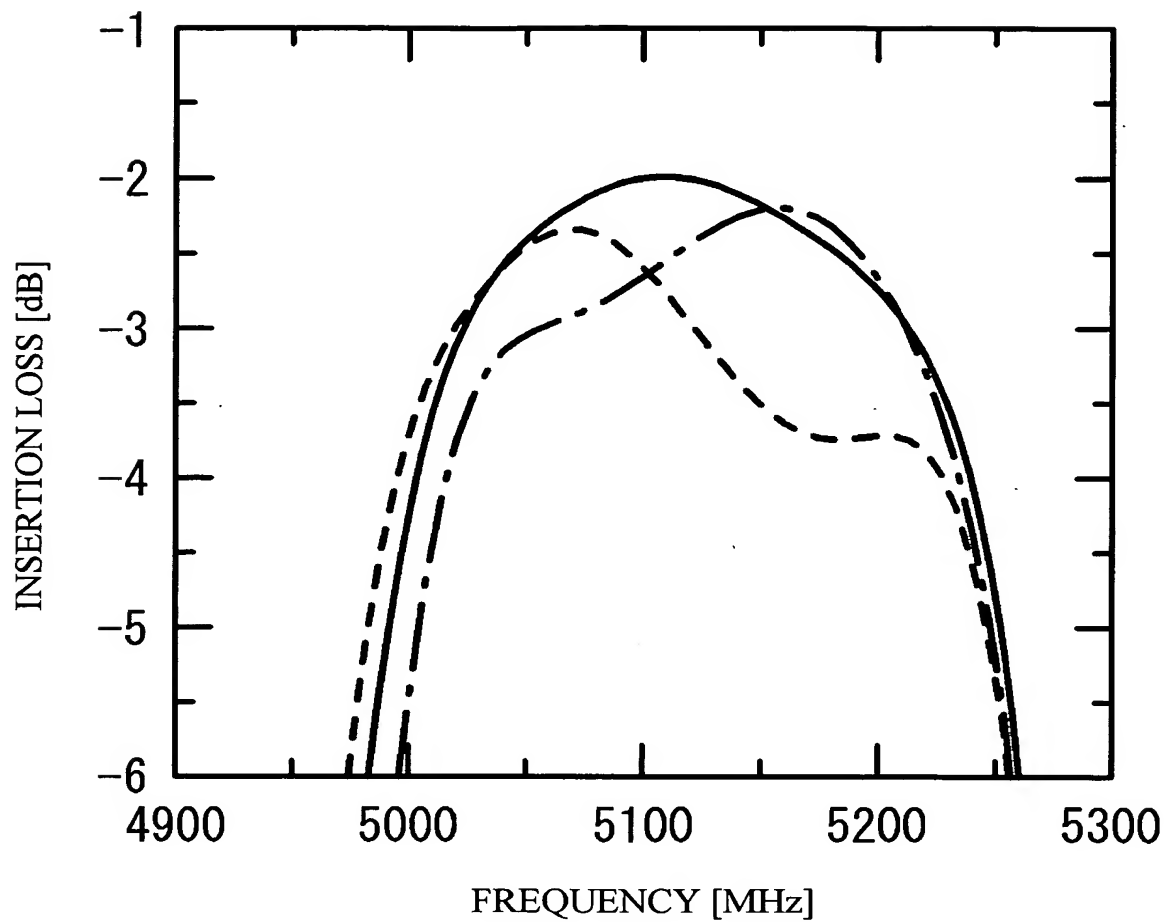


S11 INDUCTANCE Li 1.5nH



Title: Surface Acoustic Wave Filter and Filter Device  
Inventor: NAKATANI, et al.  
Appln. No.: 10/685,704  
Docket No.: 025720-00015

Fig. 16



- (a) - - - - SIGNAL WIRE 0.5nH  
(b) ——— SIGNAL WIRE 1nH  
(c) — · — · SIGNAL WIRE 1.5nH



Title: Surface Acoustic Wave Filter and Filter Device  
Inventor: NAKATANI, et al.  
Appln. No.: 10/685,704  
Docket No.: 025720-00015

Fig. 17

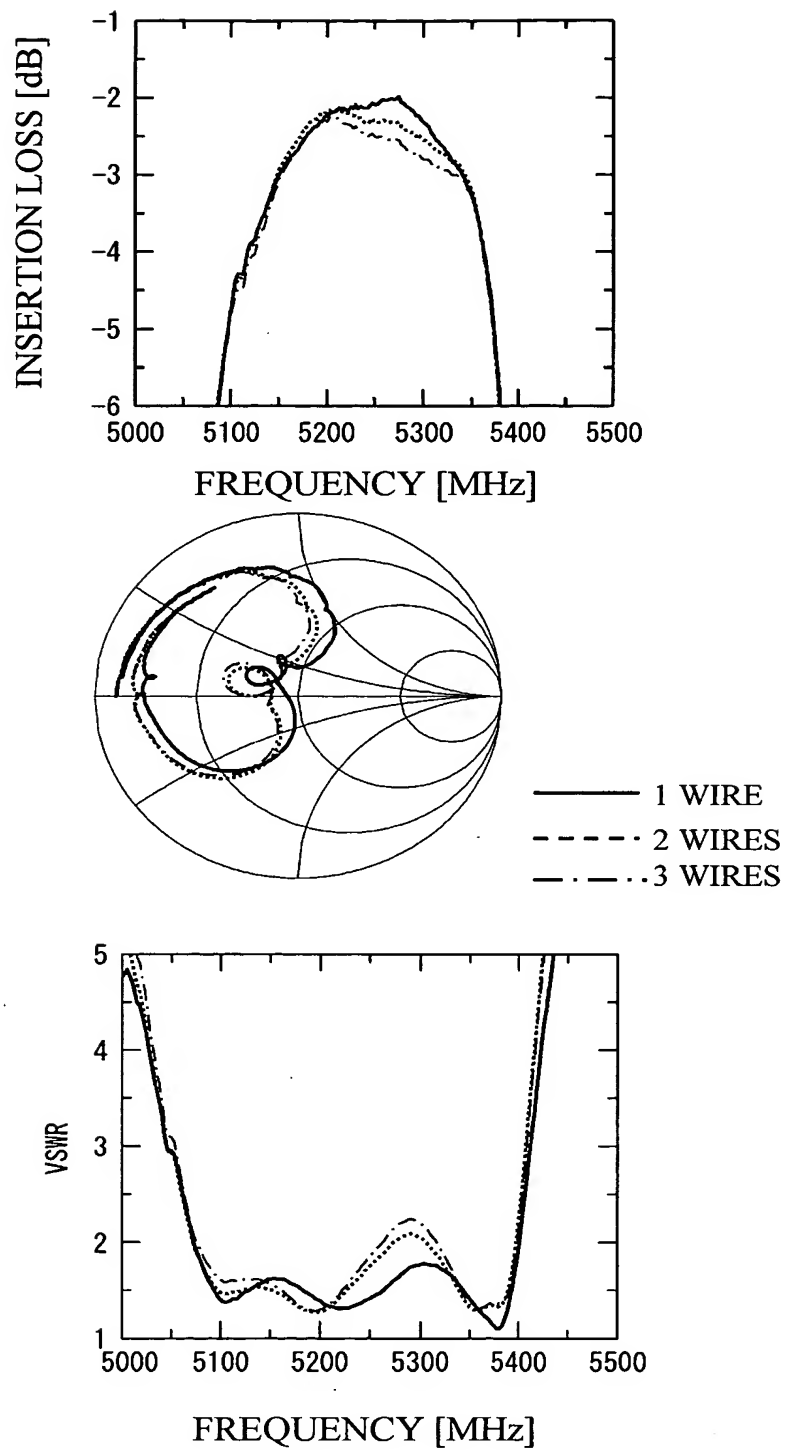




Fig. 18

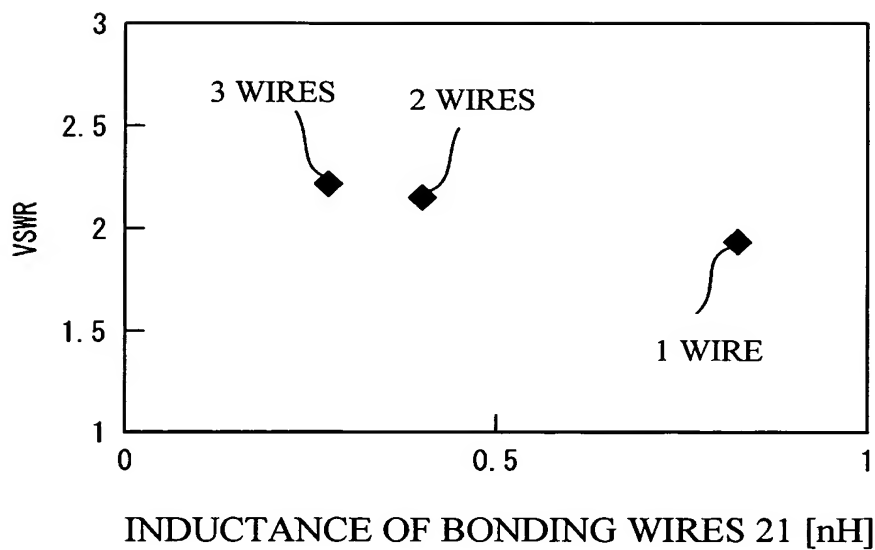


Fig. 19

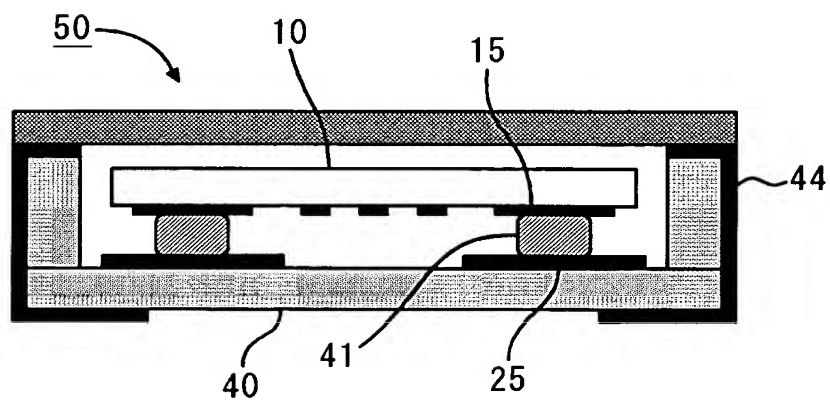




Fig. 20

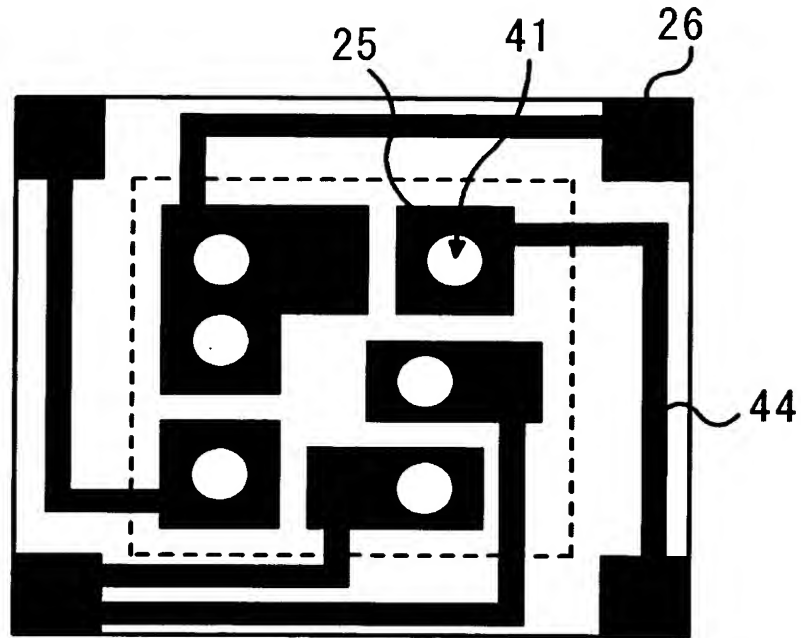


Fig. 21

